

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

LISTING OF CLAIMS

Claims 1 to 10. (Canceled).

11. (Currently Amended) An electric contact, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer includes a structured layer;
wherein structuring for the structured layer includes particles dispersed in a matrix, at least some of the dispersed particles having a greater hardness than the matrix and made of at least one of aluminum oxide, zirconium oxide, yttrium oxide, a titanium aluminide, and a ruthenium alloy phase and the structuring for the structured layer is such that particles having a size between 1 nm and 1 μ m are dispersed in a matrix.

Claim 12. (Canceled).

13. (Previously Presented) The electric contact of claim 11~~claim 12~~, wherein the proportion of the particles dispersed in the matrix is between 1 vol.% and 50 vol.%.

Claim 14. (Canceled).

15. (Previously Presented) An electric contact, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer includes a structured layer;
wherein structuring for the structured layer is such that particles having a size between 1 nm and 1 μ m are dispersed in a matrix;
wherein at least some of the dispersed particles are made of a solid-state lubricant, the solid-state lubricant including at least one of graphite and molybdenum disulfide.

16. (Currently Amended) The electric contact of claim 11~~claim 12~~, wherein the dispersed particles are oil capsules or oil cavities.

17. (Previously Presented) The electric contact of claim 16, wherein the oil capsules include at least one of a lubricant having antioxidants and antiadhesive additives and are bounded by a polymer skin.

18. (Previously Presented) An electric contact, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer includes a structured layer;
wherein structuring for the structured layer is such that particles having a size between 1 nm and 1 μ m are dispersed in a matrix;
wherein the matrix is made of silver or a silver alloy and the dispersion structure is produced electrolytically.

19. (Previously Presented) An electric contact, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer includes a structured layer;
wherein the structured layer is formed by a multilayer system which is made up of successive layers having different chemical compositions, the multilayer system including layers of indium and silver.

20. (Currently Amended) An electric contact, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer includes a structured layer;
wherein structuring for the structured layer is such that particles having a size between 1 nm and 1 μ m are dispersed in a matrix;
wherein at least some area of the contact layer has a noble metal cover layer which is made of one of gold, silver, platinum, ruthenium, palladium, or an alloy of these elements.

21. (Previously Presented) The electric contact of claim 11, wherein the electric contact is of a plug-in connector.

Claim 22. (Canceled).

23. (Currently Amended) The electric contact of claim 11~~claim 12~~, wherein at least some of the dispersed particles are made of a solid-state lubricant, which is graphite.

Claim 24. (Canceled).